

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P639719

Luminaire Tested: GWS-SA5C-740-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P639719  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-6)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA5C-740-U-5MQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (80) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 20849.9 lumens  
Efficiency: N/A  
Efficacy: 132.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

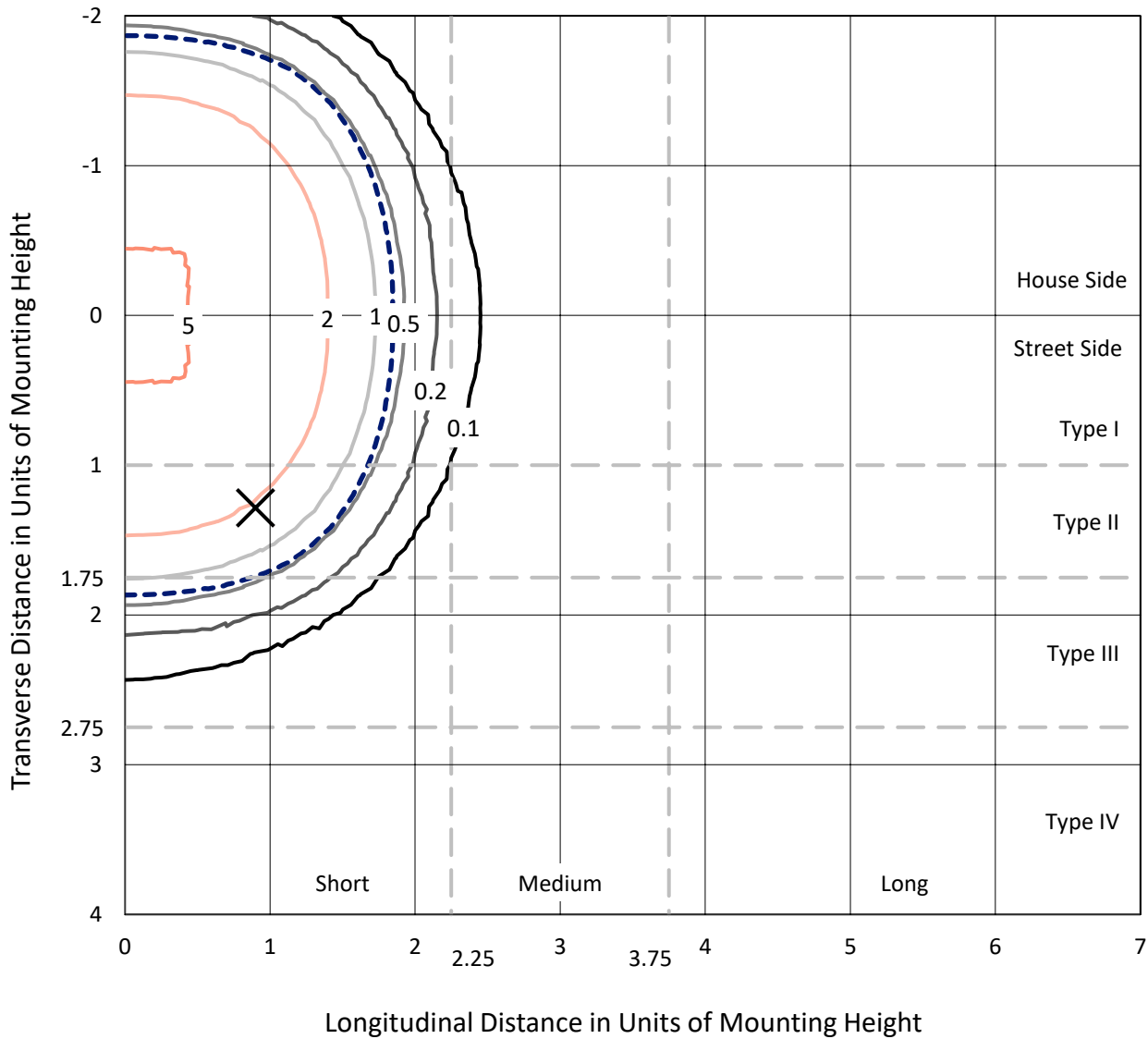
Input Watts (W): 157.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 0  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

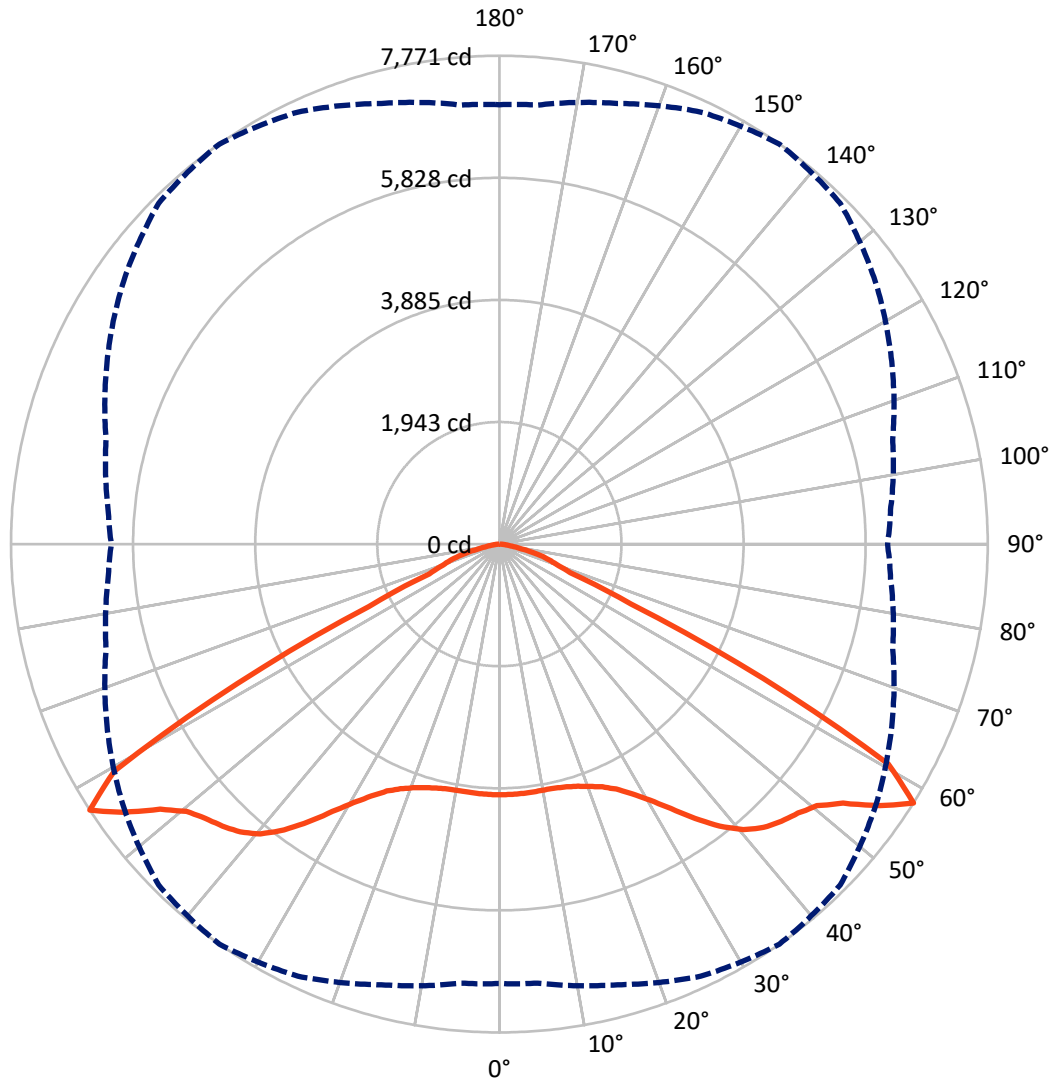
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10424.9	0.0	10424.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10424.9	0.0	10424.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	20849.9	0.0	20849.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	379.5	1.8
10°-20°	1132.3	5.4
20°-30°	1975.7	9.5
30°-40°	3239.6	15.5
40°-50°	4771.2	22.9
50°-60°	6088.9	29.2
60°-70°	2566.1	12.3
70°-80°	613.0	2.9
80°-90°	83.4	0.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	20849.9	100.0
0°-180°	20849.9	100.0

**Coefficient of Utilization**



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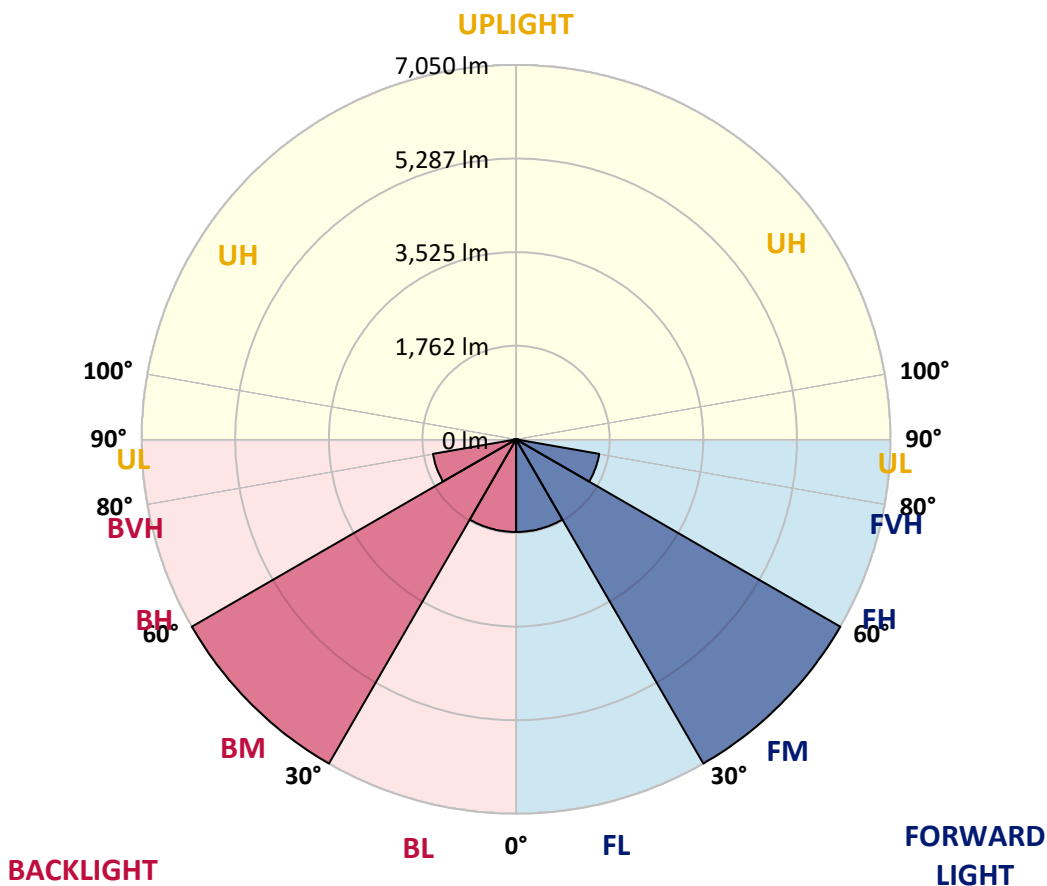
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1743.7	8.4			
FM (30°-60°)	7049.9	33.8			
FH (60°-80°)	1589.6	7.6			G1/1800
FVH (80°-90°)	41.7	0.2			G1/100
BL (0°-30°)	1743.7	8.4	B3/2500		
BM (30°-60°)	7049.9	33.8	B4/8500		
BH (60°-80°)	1589.6	7.6	B3/2500		G1/1800
BVH (80°-90°)	41.7	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3989.4	3989.4	3989.4	3989.4	3989.4	3989.4	3989.4	3989.4	3989.4	3989.4	3989.4
2.5°	3965.5	3965.5	3974.0	3982.6	3986.0	4001.3	3999.6	3994.5	3991.1	3980.9	3994.5
5°	3974.0	3974.0	3980.9	3986.0	3984.3	3996.2	3991.1	3982.6	3977.4	3967.2	3982.6
7.5°	3972.3	3972.3	3977.4	3982.6	3979.1	3989.4	3980.9	3968.9	3960.4	3950.1	3963.8
10°	3950.1	3953.5	3958.7	3970.6	3975.7	3991.1	3979.1	3960.4	3946.7	3934.8	3948.4
12.5°	3946.7	3950.1	3957.0	3972.3	3980.9	4003.0	3987.7	3957.0	3936.5	3921.1	3934.8
15°	3962.1	3965.5	3975.7	3994.5	4008.2	4032.1	4009.9	3967.2	3938.2	3917.7	3929.6
17.5°	3980.9	3986.0	4001.3	4028.7	4050.8	4076.4	4049.1	3997.9	3957.0	3929.6	3939.9
20°	4001.3	4008.2	4032.1	4073.0	4114.0	4146.4	4112.3	4044.0	3994.5	3958.7	3968.9
22.5°	4037.2	4045.7	4076.4	4134.5	4195.9	4243.7	4201.1	4108.9	4044.0	3997.9	4006.5
25°	4110.6	4120.8	4160.1	4230.1	4317.1	4375.2	4315.4	4211.3	4120.8	4064.5	4073.0
27.5°	4240.3	4245.4	4296.7	4388.8	4496.4	4563.0	4491.3	4368.4	4267.6	4202.8	4209.6
30°	4411.0	4426.4	4477.6	4598.8	4726.8	4815.6	4721.7	4576.6	4460.5	4382.0	4388.8
32.5°	4619.3	4629.5	4706.4	4832.7	5017.0	5119.5	4991.4	4819.0	4679.0	4583.4	4590.3
35°	4892.4	4901.0	4974.4	5134.8	5358.4	5454.0	5307.2	5109.2	4947.0	4856.6	4882.2
37.5°	5218.5	5233.8	5286.8	5445.5	5694.7	5788.6	5619.6	5435.3	5266.3	5182.6	5201.4
40°	5568.4	5566.7	5609.4	5749.4	5976.4	6034.4	5882.5	5735.7	5590.6	5536.0	5566.7
42.5°	5868.9	5860.3	5891.1	6007.1	6164.2	6169.3	6068.6	5986.6	5884.2	5846.7	5875.7
45°	6078.8	6082.2	6128.3	6208.6	6288.8	6246.1	6215.4	6201.7	6121.5	6070.3	6075.4
47.5°	6244.4	6258.1	6331.5	6386.1	6396.3	6324.6	6367.3	6387.8	6321.2	6242.7	6220.5
50°	6391.2	6413.4	6509.0	6567.0	6544.9	6454.4	6538.0	6568.8	6421.9	6271.7	6227.3
52.5°	6657.5	6683.1	6799.2	6874.3	6848.7	6758.2	6836.8	6727.5	6480.0	6295.6	6239.3
55°	7082.6	7094.5	7236.2	7359.1	7347.2	7236.2	7173.0	6930.6	6630.2	6439.0	6386.1
57.5°	6992.1	7012.6	7258.4	7586.2	7770.5	7669.8	7299.4	6886.3	6478.3	6247.8	6176.1
60°	5501.8	5551.3	5856.9	6433.9	7109.9	7108.2	6420.2	5778.4	5286.8	4981.2	4950.5
62.5°	3212.7	3246.8	3525.1	4108.9	4714.9	4752.4	4269.3	3828.9	3398.7	3192.2	3093.2
65°	1521.0	1519.3	1630.2	1893.1	2302.8	2335.3	2190.2	1949.5	1695.1	1625.1	1606.3
67.5°	1123.2	1123.2	1114.7	1133.5	1212.0	1229.1	1212.0	1172.7	1148.8	1164.2	1154.0
70°	974.7	976.4	966.2	961.1	961.1	956.0	962.8	978.1	988.4	1008.9	998.6
72.5°	790.4	792.1	792.1	793.8	795.5	788.7	798.9	807.4	809.1	816.0	809.1
75°	561.6	565.0	575.3	583.8	590.6	590.6	594.1	595.8	588.9	597.5	583.8
77.5°	309.0	312.4	331.2	346.5	361.9	363.6	368.7	372.1	368.7	375.6	365.3
80°	170.7	174.1	182.7	189.5	201.4	211.7	218.5	221.9	221.9	227.0	221.9
82.5°	97.3	100.7	105.8	109.3	119.5	128.0	134.9	140.0	140.0	141.7	138.3
85°	46.1	46.1	49.5	52.9	58.0	61.5	70.0	75.1	75.1	78.5	75.1
87.5°	6.8	8.5	10.2	10.2	13.7	17.1	20.5	22.2	25.6	27.3	27.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)